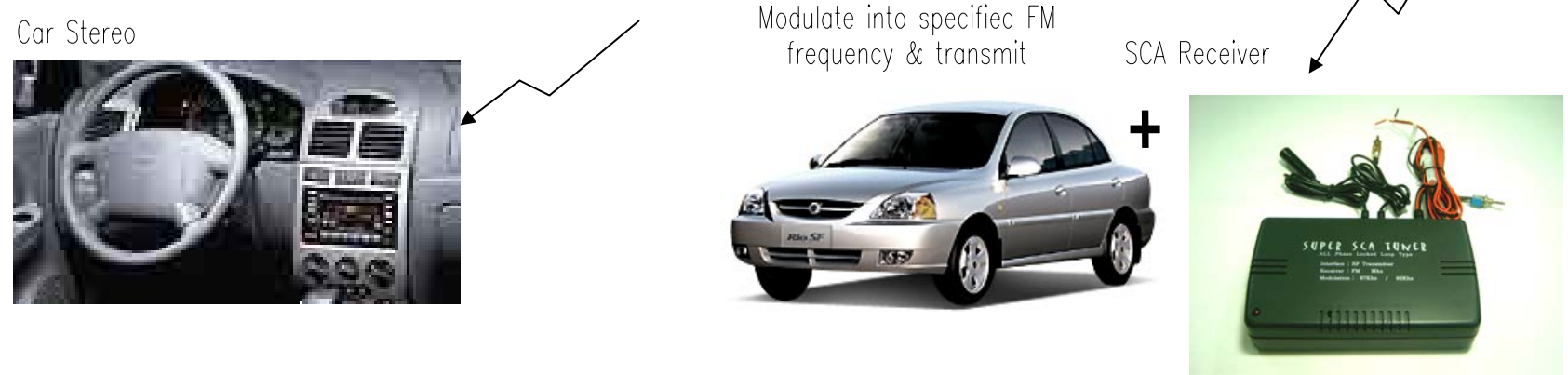
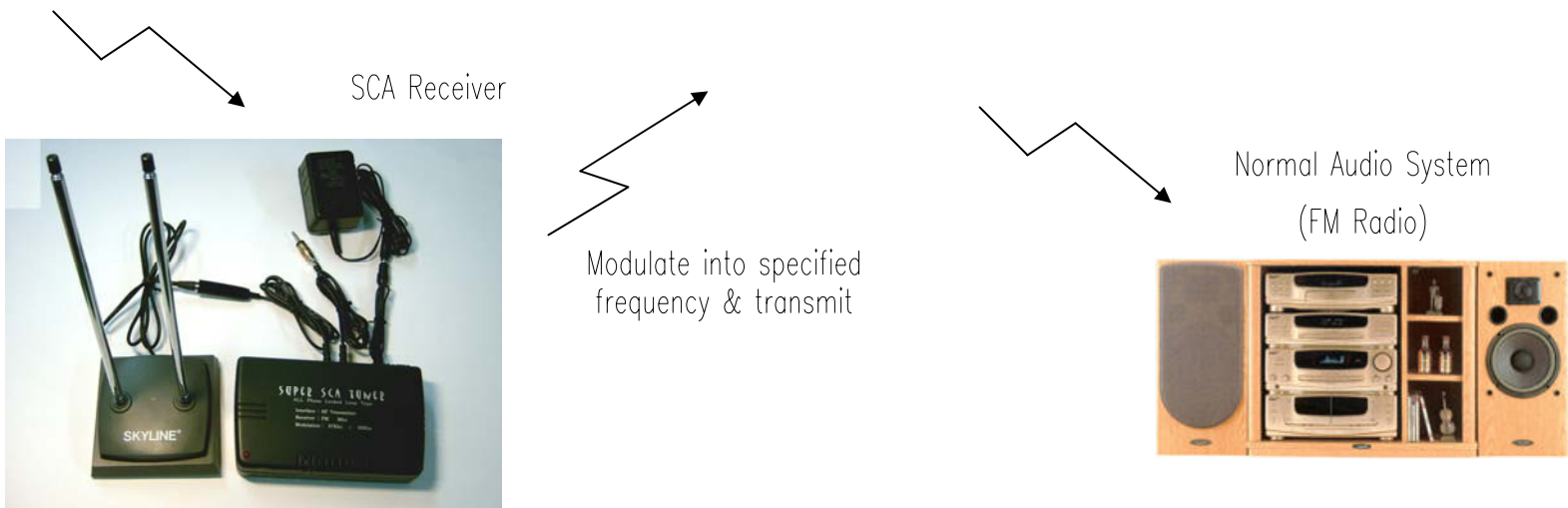


Super SCA Tuner

User's Manual

Mani National Corporation.

System Operation



Super SCA Tuner

“Super SCA Tuner” is a device that receive the signal from SCA (Subsidiary Communication Authorizations) broadcasting system and re-transmit it into specified FM frequency. User can enjoy high-quality SCA broadcasting with normal FM Radio receiver.

- By Super SCA Tuner, You can receive clear SCA in home with FM radio receiver.
- By Super SCA Tuner, You can receive clear SCA in your car with car stereo.

Specification

1. Power Source : 9~12V DC
2. Power Consumption : MAX 200 mA
3. Frequency Range : 87.9 ~ 107.9Mhz
4. FM Frequency Range : 87.9 ~ 107.9Mhz (User selectable)
- 5, RF Output Power: less then 10mW

Test Specification

	Min	Type	Max	Unit	
Sensitivity 20 dB quieten	15	8		dB	
SCA Center Frequency		67/92		Khz	
FM Center Frequency	10.68	10.7	10.72	Mhz	
Frequency Response Ref	400Hz	0	0	dB	
	25Hz	-1	0	+3	dB
	1500Hz	-5	0		dB
De-emphasize Standard	120	150	180	Usec	
Distortion 1000 Hz	2.0	2.5	3.5	%	
Crosstalk 1000 Hz main	40	50		dB	

Installation on Vehicle

1. Antenna Connector :
 - Connect vehicle's antenna to "1" instead of equipped car stereo.
2. Car Stereo Antenna
 - Connect "2" to antenna jack of equipped car stereo.
3. Power Connection :
 - Connect 12V DC to "3"
 - RED -> +12V BLACK -> GND
4. Power Switch
 - Install user selected location.
5. Power LED
 - Turned on when power is on.



Install "Super SCA Tuner" following above instruction and tune car stereo's FM frequency into "Receive Frequency (RX) " specified in back panel. You can receive C.L.E.A.R. SCA Broadcasting from now.

(Cautions)

- **Don't adjust or change specified "Receive Frequency (RX)".**
- **Every product has their own "Receive Frequency (RX)"**

Installation in Home

1. Antenna Connector :
 - Connect external antenna to "1".
2. FM Transmit Antenna
 - FM Frequency is transmitted from it.
3. Power Jack : Connect AC Adapter (9V DC Output)
4. Power Switch
 - Install user selected location.
5. Power LED
 - Turned on when power is on.

Install "Super SCA Tuner" following above instruction and tune Audio System or your FM Radio into "Receive Frequency (RX) " specified in back panel. You can receive C.L.E.A.R. SCA Broadcasting from now.



(Cautions)

- **Use the enclosed antenna and AC adapter only. Other's can cause abnormal product operation or serious damages.**
- **Don't adjust or change specified "Receive Frequency (RX)".**
- **Every product has their own "Receive Frequency (RX)"**

1. AC Adapter for Indoor usage

- Input Voltage : AC 120V/ 60Hz
- Output Voltage : DC 9V (300mA)



2. External Antenna for Indoor

- Use enclosed antenna only.
- Check the best location for sound quality and install

